

The CFW900 VFD is the most innovative product for motor drive and control of industrial machines and processes. It is a complete, efficient and sturdy solution that carries all WEG's safety and reliability.

The high precision in torque and speed control, for both induction and permanent magnet motors, combined with high efficiency, makes the CFW900 the ideal solution for a wide variety of applications in different segments, thanks to its unique features.



Standard Features

- Ratings: 1.5 to 100HP @ 3/230 Vac; 2 to 200HP @ 3/460 Vac.
- Built-in Dual DC link reactors reduce harmonics.
- Conformal coated circuit boards.
- Detachable Modern Text/Graphic Keypad with USB port, built-in Bluetooth, Real-time clock with event log, copy function, Oriented start-up, and online help.
- Control Mode: Scalar, VVW (Voltage Vector WEG), Vector Control (Senseless and closed loop), VVW PM (suitable for fan, Pump, and compressor PM Motor).
- IoT - Ready VFD with MQTT protocol allows direct integration with WEG MFM (Online monitoring Platform)
- Built-in as a standard:
 - RFI filter meeting the requirements of electromagnetic compatibility directive "EMC Directive 2004/108/EC".
 - RS-485 (Modbus RTU) port & Dual Ethernet ports (Ethernet/IP or Modbus TCP).
 - STO (Safe Torque Off) and SS1 (Safe Stop, time controlled) safety functions meet SIL3 & Ple / Category 4 requirements, eliminating the need of Safety relay/safety contactors.
 - 24Vdc power supply (max. 800mA); can also accept external 24Vdc power to keep control & communication circuits active.
 - Advanced SoftPLC (PLC functionality).



Applications:

- Pumps
- Fans/Blowers
- Conveyors
- Crushers
- Compressors
- Agitators & Mixers
- Extruders
- Grizzly Feeders
- Centrifuges
- Cranes & Hoists
- Rollout Tables
- Presses
- Saws



CFW900 - THE SYSTEM DRIVE

Intelligent Thermal Management

Due to the constant evolution of industrial processes and machines, efficient and effective solutions are increasingly required. The CFW900 has a unique thermal management function that adjusts the drive's switching frequency according to the load, supply voltage, and ambient temperature variations, ensuring optimized performance.

- Reduces the need to size the CFW900 for applications with possible operation at high temperatures.
- Keeps the VFD and the motor operating in adverse conditions of higher temperature, avoiding fault conditions that cause the system to stop.



Dimensions and Weights



Frame	Protection Rating	A mm [in]	B mm [in]	C mm [in]	D mm [in]
A (Up to 10HP @ 230 Vac) (Up to 10HP @ 460 Vac)	IP20	25 [0.98]	25 [0.98]	10 [0.39]	0 [0]
	IP21 / UL type 1	25 [0.98]	25 [0.98]	10 [0.39]	30 [1.18]
B (10 to 15HP @ 230 Vac) (15 to 30HP @ 460 Vac)	IP20	40 [1.57]	45 [1.77]	10 [0.39]	0 [0]
	IP21 / UL type 1	40 [1.57]	45 [1.77]	10 [0.39]	30 [1.18]
C (20 to 30HP @ 230 Vac) (40 to 60HP @ 460 Vac)	IP20	110 [4.33]	130 [5.12]	10 [0.39]	0 [0]
	IP21 / UL type 1	110 [4.33]	130 [5.12]	10 [0.39]	30 [1.18]
D (40 to 60HP @ 230 Vac) (75 to 125HP @ 460 Vac)	IP20	110 [4.33]	130 [5.12]	10 [0.39]	0 [0]
	IP21 / UL type 1	110 [4.33]	130 [5.12]	10 [0.39]	30 [1.18]
E (75 to 100HP @ 230 Vac) (150 to 200HP @ 460vac)	IP20	150 [5.9]	250 [9.84]	20 [0.79]	0 [0]
	IP21 / UL type 1	150 [5.9]	250 [9.84]	20 [0.79]	30 [1.18]

For pricing, contact your Local WEG distributor.

To locate a distributor, Please visit <https://www.weg.net/institutional/US/en/contact/where-to-buy>



WEG Electric Corp.
6655 Sugarloaf Pkwy.
Duluth, GA 30097
Phone: 1-800-ASK-4WEG
www.weg.net

